

NEW TUBER-BEARING SOLANUM FROM COLOMBIA

By C.Ochoa(I)

SOLANUM CACETANUM Ochoa sp.nov.

Herbaceum, tuberiferum. Plantae usque ad 1.20 m vel plus altae, robustae, caules basi profunde pigmentati, atrovioletacei, basi circiter 2 cm crassi, simplici, vel ramificati, erecti aut procumbenti, glabri atque alati; alae laete, virides, rectae aut sinuatae, 1 mm latae. Stolones 3-4 m longo, usque ad 5 mm crassos, albidi, plerumque subterranei, nonnumquam plus minusve partim supra terram adscendentibus et novam plantam producentes, vel tubera longa, subcylindrica aut ovalia alba, 4-5 cm longa, gesta. Folia profunde viridia, imparipinnata, 24-28-35 cm longa, 13-16-20 lata, 4-5-juga et 2-6 foliolis interjectis instructa, petioli 4-9 cm longi; foliola anguste elliptico-lanceolatae, apice acuto, subacuminato aut acuminato, opaca, obscure viridia, supra pilis paucis et infra minus dense obtecta, pallide viridia. Foliolum terminale 7.0-9.5 x 2.7-3.7 cm, basi cuneatum vel subcuneatum. Foliola lateralia primi jugi 6.0-9.0 x 2.3-3.5 cm, inaequilatera, sessilia aut brevissime petiolulata; foliololi secundi jugi similia vel sensim majora 7.0-9.5 x 2.4-3.2 cm basi oblique rotundata, petiolulo 3-4 mm longo, petioluli ab primo jugo usque ad penultimum longitudine gradatim majora, penultimi jugi 18-22 mm longa. Foliola pseudostipulacea asymmetrica anguste elliptico-lanceolata aut subfalcata, 10-15 x 6-8 mm. Inflorescentia terminales aut lateralis, cymoso-paniculata vel cymosa, 7-10-flora vel plus, pedunculi 5-6 cm longi, 1.5 mm crassi, subpigmentati, glabrescenti; pedicelli brevi, valde pigmentati, in medium vel paulo subtus articulat. Calyx 5 mm longus, colore obscure violaceo (fere nigro) pigmentatus, tamquam pedicelli glabratus, lobi late elliptico-lanceolati, apice breviter acuminati. Corolla rotata, alba 12-16 mm diam., stella luteo-viride. Columna antherarum asymmetrica, parva, conico-elliptica, antherae 4 mm longae, anguste lanceolatae, basi cordatae, filamenta 0.5-0.8 mm longa, alba, pilis brevibus perpaucis instructa. Stylus 6.5-7.0 mm longus, 1.5 mm exsertus, basi usque ad 1/3 dense papillosus, stigma capitatum, parvum. Ovarium longum conicum. Fructus longi conici, apice acuti, virides (solum immature videbam). Species ad seriem Conicibaccatam pertinet. COLOMBIA: Departamenti Caquetá, //

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orientis Alaska montis, circa Villa Cludia, 2700 m supra mare, in habitat nemoralibus, collectum C.Ochoa 14117, Julius 25,1980. HOLOTYPE: In Herbarium Ochoanum. ISOTYPUIS: CIP.

SOLANUM OROCENSE Ochoa sp.nov.

Herbaceum, tuberiferum?. Plantae 50-70 cm vel plus altae caules 3-6 mm crassi pilis albidis pluricellularibus obtiti, caules cylindrici, alati, alas rectas, perangustae, difficiliter perspiciendis. Folia imparipinnata 6.4-9.0 x 4.2-6.5 cm, 3-4-juga foliolis lateralis et 2-6 foliolis interjectis, foliola in utraque pagina etiam rachis et petioli pilis brevissimis dense praedita, foliola facie superiore densissime obtecta et velutina; pili flavi vel straminei, foliola anguste elliptico-lanceolatae, subsessilia vel brevissime petiolulata. Foliolum terminale lateribus primi et secundi jugis solum paulo majus, 3.3-4.7 x 1.2-1.4 cm apice conspicue acuminatum, acumen longum acutum basi rotundatum. Foliola primi jugis 2.6-3.8 x 0.8 - 1.0 cm, apice acuminata, acumina acuta, longa, basi rotundata, petioluli 1-2 mm longi, vel basi oblique rotunda, Foliola secundi jugis similia sed ultimi jugis visibiliter minora. Folia pseudostipulacea late falcata 5-6 x 3.0 mm. Inflorescentia cimosa 7-10-flora, pedunculus tenuis 3-4 cm longus, basi 1-2 mm crassus, densissime pilosus tamquam pedicelli et calyx, pedicelli 1/3 supra articulati, pedicellus superior 7-8 mm longus, inferior 18-22 mm longus. Calyx parvus 3-4 mm longus, lobi late elliptico lanceolati, apice apiculati. Corolla rotata, 12-16 mm diam alba; antherae elliptico-lanceolatae, 2.8-3.2 mm longae, basi cordatae, filamenta longa, 1.5-2.5 mm, glabra, albida stylus 7 mm longus, 2 mm exsertus. Ovarium longum conicum. Fructus longi, conici, apice acuti, flavido virides 12-15 mm longi, basi 6-7 mm crassi solum immaturi videbam. Specie ad seriem Conicibaccata pertinet. COLOMBIA: Vecinitatis Departamentis Norte de Santander et Cesar, Jurisdicciones, Montis Oroque, 3700-3900 m supra mare, collectum Hernando García Barriga et R. Jaramillo M. 20724, Julius 22-27,1974 HOLOTYPE: COL. ISOTYPUIS: Herbarium Ochoanum.

SOLANUM SUCUBUNENSE Ochoa sp.nov.

Herbaceum, tuberiferum. Plantae 40-60 cm altae, caules plerumque simplices, graciles, 5 mm vel plus crassi, anguste alati, alae rectae, pilis albis sparsis praediti. Stolones longos, 1-2mm crass, albidi, tubera alba 2.5-3.0 cm longa, ovalia. Folia imparipinnata 14.0-20.0 x 6.0

-12.0 cm, 2-3-juga foliolis lateralis et 2-4 foliolis interjectis; petioli 4-7 cm longi, supra sparse pilosi sicut rachis, foliola elliptico-lanceolata, superne obscurius viridia, atque raro pilosa quam subtus, pilis brevioribus densioribusque praedita. Foliolum terminales apice acutum vel subacuminatum, basi rotundatum, 5.5-7.0 x 2.2-3.5 cm. Foliola primi jugis 5.2-5.8 x 2.3-2.5 cm, apice acuto aut subacuminato, aut paulo oblique rotundata, petiolulo 1.5-2.0 mm longo. Foliola secundi jugis 2.3-5.0 x 1.3-1.7 cm, ultimi jugis (num quando ad-sunt) visibiliter minora suborbicularia atque sessilia, foliola interjecta 2-4 mm longa, suborbicularia vel late elliptica, membranacea. Folia inferiora prope basim fere simplices aut foliola duo, 2 mm longa gerentes. Foliolum terminale late elliptico aut suborbiculato 6.0 x 5.0 cm. Inflorescentia cymosa 6-8-flora, pedunculus 10-12 cm longus, basi 2 mm crassus, sparse pilosus tamquam pedicelli et calyx. Pedicelli 1/3 supra articulati, pedicellus superior 6 mm longus, inferior 15-20 mm longus; calyx 5-6 mm longus, lobi late elliptico-lanceolati, acuminata brevia. Corolla violacea, rotata, 3 cm diam. Columna antherarum cylindrico-conica, antherae 5.5-6.0 mm longae, anguste lanceolatae, basi cordatae, filamenta 0.6-1.0 mm longa, alba, in angulis interfilamentis pilosi stylus 8.5 mm longus, 2.5 mm exsertus, basi usque ad 2/3 papillis dense obsitus, stigma capitatum, styli apice vix crassius; ovarium longum conicum. Species ad seriem Conicibaccata pertinet. COLOMBIA: Departamenti Cauca, Macizo Colombiano, Valle de Las Papas, vecinitatis Valencia, Los Andes, 2910 m supra mare, circa ripa Rio Sucubun, collectum Idrobo, Pinto et Bischler 3821, Sept. 11-21, 1958.

HOLOTYPE: COL.